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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------------|-------------------------------------|----------------------|---------------------|------------------|
| 10/622,181 | 07/16/2003 | William C. Gustafson | ISOT-010 | 2232 |
| 65215 NEUSTEL LA | 7590 12/26/2007 AW OFFICES, LTD. | | EXAMINER | |
| 2534 SOUTH | UNIVERSITY DRIVE | | KASENGE, CHARLES R | |
| SUITE 4 FARGO, ND 58103 | | | ART UNIT | PAPER NUMBER |
| , | | | 2125 | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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| | Application No. | Applicant(s) | |
| Office Action Summany | 10/622,181 | GUSTAFSON ET AL. | |
| Office Action Summary | Examiner | Art Unit | |
| | Charles R. Kasenge | 2125 | |
| The MAILING DATE of this communication app Period for Reply | ears on the cover sheet with t | the correspondence address | |
| A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value of reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | ATE OF THIS COMMUNICATION OF THIS COMMUNICATION OF THIS STATE OF THIS ST | TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133). | |
| Status | | | |
| Responsive to communication(s) filed on 18 Ja This action is FINAL . 2b) ☑ This Since this application is in condition for alloware closed in accordance with the practice under E | action is non-final. nce except for formal matters | | |
| Disposition of Claims | | | |
| 4) ⊠ Claim(s) 8-13 and 17-22 is/are pending in the a 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 8-13 and 17-22 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or | wn from consideration. | | |
| Application Papers | | | |
| 9) The specification is objected to by the Examine 10) The drawing(s) filed on 16 July 2003 is/are: a) Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex | ☑ accepted or b)☐ objected drawing(s) be held in abeyance. tion is required if the drawing(s) | See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d). | |
| Priority under 35 U.S.C. § 119 | | | |
| 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list | s have been received. s have been received in Appl rity documents have been red u (PCT Rule 17.2(a)). | lication No ceived in this National Stage | |
| Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) | | mary (PTO-413) lail Date | |
| 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date | | 5) Notice of Informal Patent Application | |

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 8-13 and 17-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Polk et al. U.S. Patent Application Publication 2003/0132310. Regarding claims 8 and 17, Polk discloses a method of operating a plurality of valves in a spray chamber, said method comprising the steps of: determining fluid presence at one or more of said valves (pg. 5, ¶62-63, boom control valves); opening one or more of said valves that have fluid present (pg. 5, ¶64); activating a pump fluidly connected to said valves (pg. 5, ¶63 and 67); and determining if a state change is required of any of said valves and executing said state changes if at least two valves are open (pg. 5, ¶64).

Regarding claims 9 and 18, Polk discloses the method of operating a plurality of valves in a spray chamber of Claim 8, including the step of executing a one valve open recovery routine when if a state change is required to open a second valve and only a first valve is currently open (pg. 5, ¶68).

Regarding claims 10 and 19, Polk discloses the method of operating a plurality of valves in a spray chamber of Claim 9, wherein said one valve open recovery routine is comprised of the

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following steps: deactivating said pump (pg. 5, ¶67); opening said second valve after a delay time (pg. 5, ¶68); and reactivating said pump (pg. 5, ¶67-68).

Regarding claims 11 and 20, Polk discloses the method of operating a plurality of valves in a spray chamber of Claim 8, including the step of performing a routine valve scheduler routine upon said valves for maintaining said valves in their respective desired state (pg. 5, ¶68).

Regarding claims 12 and 21, Polk discloses the method of operating a plurality of valves in a spray chamber of Claim 11, wherein said routine valve scheduler routine is comprised of the steps of: (a) energizing a first valve to an appropriate state; and (b) repeating step (a) for a next valve (pg. 5, ¶68).

Regarding claims 13 and 22, Polk discloses the method of operating a plurality of valves in a spray chamber of Claim 11, wherein said routine valve scheduler routine is comprised of the steps of: (a) energizing a first valve to an appropriate state; and (b) repeating step (a) for a next valve after a time period (pg. 5, ¶68).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles R. Kasenge whose telephone number is 571 272-3743. The examiner can normally be reached on Monday through Friday, 8:30 - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on 571 272-3749. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CK

December 18, 2007

LEO PICARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

L-P.P